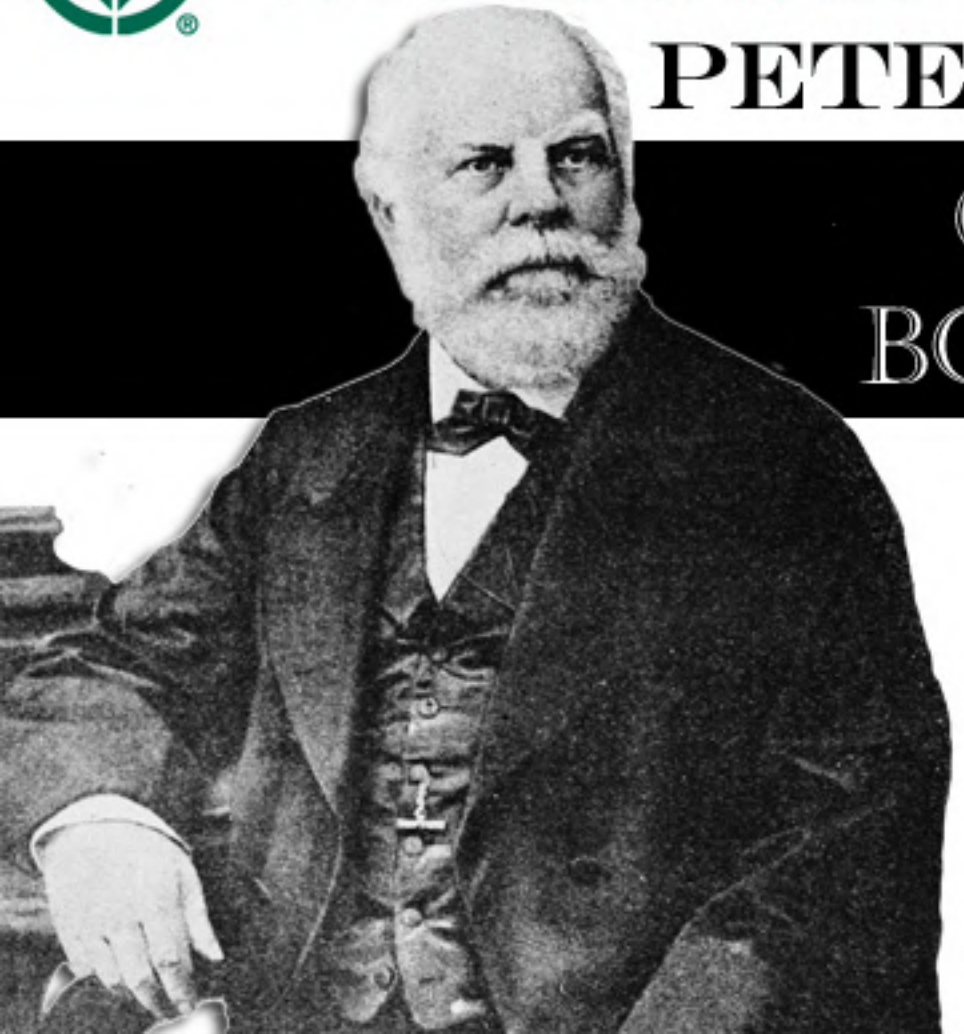
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Erythraea

Mp. Calif.

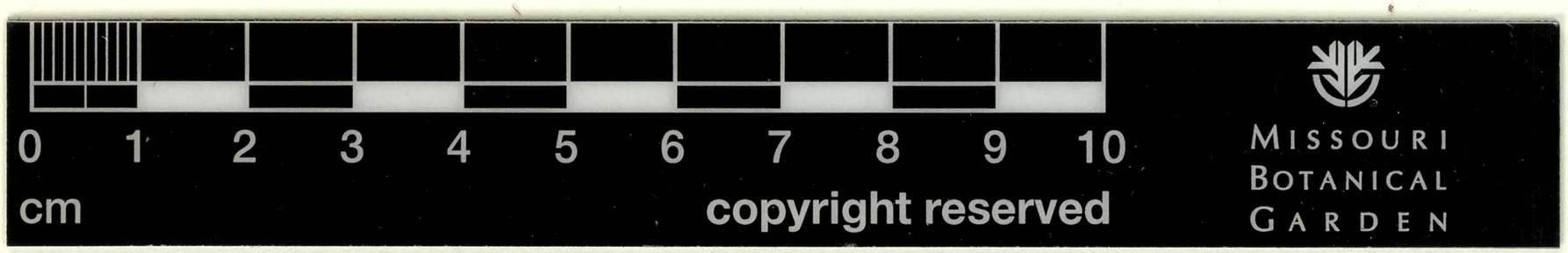
* Flowers small or middle-sized, cyme-panicled, at least central ones sessile; lateral 2-bracteate under the calyx

1. E. tricantha. Griseb.

2 E. floribunda Benth. Pl. Hartw.

* Flowers loose or scattered, all or mostly pedunculate; capsule narrow.

+ Small-flowered: corolla tubes not over 2 lines long.



The seeds furnish good characters. But all my have globular ones & others tricarina.

Douglasii

Nuttallii

++ Pedunc[les] mainly short; ramifica=
tion compound.

3. E. ramosissima, Pers. E. Muhlen=
bergii Engelm. I take as a form of this.

++++ Pedunc[les] mainly filiform &
naked, solitary, scattered, or fascicu=
late

4. E. Douglasii Gray. E. Nuttallii
Watson in part. Cicendia exaltata
Engelm. in Bot. Gaz. 7. 1. Seeds long
and coral-like. — as you note

5. E. Nuttallii Watson.
This is Watson's mainly

++ Large-flowered; corolla-lobes 4–5 lines long, nearly as long as tube; capsule same as in all preceding.

5. E. venusta Gray – Name given 25 years ago.
E. chrysanthoides Torr. Mex. Bound. Bot. 1859,

Gypsandra section, with corolla lobes rather longer than tube. all Mexican.

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E. chrysanthoides & E. speciosa. (Bauh.) – nearly differ, except in length of filaments

---

3917

The Texas is E. Texensis & E. Bigelovii – Here are (Texas – Sinaloa) between Bigelovii & venusta. which will, I suppose, have to take name E. Calycosa, Buckley.

Erythea Jour Mus Sept 1875

Sp. Californicae

I. Flowers (small) clustered, 2-6 at the

1. E. trichanthera Gr.
long seeds
2. E. floribunda Bell.

II Flowers scattered, pedunculate.

A Flowers small (Calyx not over 2 Lines long)

a Peduncles short, fl. conglomerate

3. E. pulchella

b. Peduncles elongated, scattered —

4. E. Douglasii n. sp.
(Nuttallii ÷ part)

5. E. Nuttallii Wats
(Large seeds.)

B Flowers large (Calyx 4-6 Lines long & nearly
as long as tube

6. E. venusta Gray
(E. chrysanthes Torr.)

Gymandra sect. with Calyx & Corolla Cowpers
then tube (all Mexican.

E. chrysanthes

E. speciosa Bell differ only in length
of filaments.

E. Texana

Eucalyptus Bentley (Texas to Arizona)

E. Bayrichii

Larger oval seeds only ÷ 1 and 5

Rec'd May 1st

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Washington
Smiths. Instn. April 19th
1873.

My dear Sir

Allow me to introduce
to you & recommend to your
kind attention Prof. Alexander Woeikoff
Secr. of the Russian Imper. Geogr. Society
Dept of Meteorology, who visits this
country in the interests of Meteorological
Science. He gave us in the Academy
a very interesting communication &
is anxious to see the Meteorologists
of this country, among whom you
occupy so conspicuous a place.
With Sincere regard. Very truly yours
A. Guyot.

Dr Engelmann
Hon Member of Academy of Sciences

European Erythroxylum

May 14 1875

arranged according to shape of stigma

near the Americans forms

E. spicata

ovate stig—

E. Gaertneri folia & chloodes

E. falcifolia

E. latifolia

E. Centaurii—

E. major stig two or three lobed as long

E. cingulata stigma

E. manitana

St. Louis, Mo.
1875
187

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cm
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3619
N. M.

3920

Dear Sir.

I have just received the enclosed note from Mr Riley whom you will probably see at the Academy to-night. If I shall be obliged to be in Jefferson City

11 May '75

Erythraea

A Eu erythraea stigmata brevia, flores rosei & alb

Chironioides I Stigmata transversa & Calata

§. perennes

1. E. Beyrichii Torr & Gr. Bot Mexy 57 t. 13 E. anth 3. stig 2 sem puncta

§§. Biennes s. annuae

\+ stigmata majora 0.8 – 2.0 mm lata

2. E. Chironioides Torr. Bot Bound +

α. obtusi Coba

β. acut. Coba

3. E. Nuttallii Wats –

γ. ~~E. chilensis~~ ?

++ stigmata minora 0.5 lata

4 E. Texensis Gray

5 E. ~~Texensis~~ Nuttallii Engl. } tem parva

6 E. trichantha Gris tem. magna }

May 14 1875

Ery Thraea

to shaped stig

elongata lingulata H. Lutei

(E. Major approaches this)

corolla

GEORGE E

PH

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3919
N. Y.
PEL
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Dear Sir.

I have just received the enclosed note from Mr Riley whom you will probably see at the Academy to-night. While I shall be obliged to be in Jefferson City.

I have no recollection of the words of the resolutions referred to, but I think they can be found under the correct date, in the file of newspapers at the Republican Office.

Yours truly

Charles E. Briggs MD

March 17th 1873.

May 19 '75

Erythraea. Anthers before discharge of pollen, straight.

Antherae majores 3–4, rarely 5 mm long (or rarely 22)

E. chironioides obtusilobe
var. ? San Diego Kellogg 5 mm
Bolander 4950 4 } 4–5
calycosa Gray, Bolson 487 2.8 mx
acutiloba
Greene 477 4
Rothrock 4
Gray 174 4
Gray 120. } Mexican { 2.2
Wright 270 } { 2. } 2–4

E. Bergii Lindheimer. 3.
E. trichantha Douglas 3.
E. major. (Portugal) 3.8

antherae mediae 1.8 – 2.2 – usually 2 mm long

E. Nuttallii 2. 2.
E. Texensis 1.8 1.8
E. Centaurium 2.2
E. maritima. 2.
E. latifolia (France) 1.3–1.8
(E. Douglasii Nuttallii some forms) 2 –
(E. spicata

Antherae minores usually 1 mm (0.8 – 1.5)

E. Muhlenbergii 1.2 – 2.2
E. Nuttallii
Douglasii
Kellogg 1.
Douglas 1.2
Parry 1.5
E. floribunda 1.8
E. linariifolia 18 1.5 – 2.2
1.2 } 1 – 1.2
1.0 }
E. pulchella 0.8 } 1 – 0.8
– 1. }
E. chilensis (Mex.) Chile 1.2
E. tetrandra Mex. 1 –
E. australis 1.
E. pusilla 1/2 –

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THE

GARDENERS' MONTHLY,

A MAGAZINE devoted to

Horticulture, Arboriculture, Botany & Rural affairs,

THOMAS MEEHAN, Editor.

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GEORGE ENGELMANN PAPERS

Knowing of your interest in the subject matters treated in our magazine, we send herewith a SAMPLE COPY, hoping it may be so far appreciated as to entitle it to a monthly appearance on your table.

It aims only at the TRUTH in Horticultural discussion; not more to teach than to be taught in return. Within its monthly issue of 32 pages of reading matter is sought to record the best attainable information and discussion. Its "CORRESPONDENCE" and "*Scraps and Queries*" departments especially welcome criticism adverse to "EDITORIAL," where such exists. We would hope its pages bear evidence that our sincere objects are *aid* to the *novice* and *student, companionship* to the *scholar*, and a *treasuring up in its pages of the stock of real knowledge;* so that, besides answering with its current numbers to the present needs of its readers it may also, in its volume form, be entitled to a just reputation among works of reference, as a REPOSITORY of FACTS and a RECORD OF PROGRESS.

The SERIES of FIFTEEN VOLUMES issued up to the close of 1873, each with its exhaustive index, touches almost every possible point of inquiry in the field of Horticulture. Our 32 pages reading matter are free from the *offense of advertising*, directly or indirectly. All advertising is confined to the supplementary pages devoted wholly to that purpose. In the reading columns we can honestly assure subscribers they need not fear a *masked advertisement* when they are looking for *disinterested criticism*.

Hoping these statements may induce such examination and inquiry as will result in giving us the pleasure of your subscription for one year.

I am yours, respectfully,

CHAS. H. MAROT, Publisher,

314 Chestnut St., Philadelphia.

NOTE—If you receive with this a BACK number as specimen it is because our stock of CURRENT numbers is needed to supply current subscriptions. One number as well as another however, serves as a specimen of the GENERAL scope of the work.

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A small stigma has

Douglas' original — E. Torreyanus (H. Gray) 0.5 cm

H. Engelm. — E. Abramsii 0.5 cm

Lindheimer — E. Jepsonii 0.5

spinata 0.6

pulchella 0.7

12.5 cm

San Diego Kellogg 2.0 cm

Yosemite 1.5

Erikson Green 1.0

Bigg 487 3.0 ?

Wolf - 270 1.0

Rothrock 1.0

Sintenis 0.8 - 1.0 - 1.5

Dayton 2.0

not seem to be any better. Every operation has had mucus in it & the one tonight had a gooddeal of blood in it. I gave her some oil tonight, please send word if I must do anything else before you come in the morning.

Yours truly

Mary G. Brandt

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Jan 1878 Erythea of my Herb. — specimens figured

E. Muhlenbergii Gris Herb Gry = Kellogg & Hartford 836
= Brewer 816 1120
= Greene 178

E. floribunda = Greene 965
= Perry in Hk. Amer. B. F.

E. trichantha Gris Greene 964
= Boland —
= Douglas.

E. Californica Buckley Gray Gray. 424 487 500 174 630.
= Watson 270
= Wright 1661
= Rothrock 325

E. Vernicata Gray = Boland 4950
= Fremont
= Green 477
= Kellogg 835
= Wood

E. Nuttallii Wats = H. England.

E. Douglasii Gray Greene 895.
= Douglas (Richardson) Sibbald. Gris
= Palmer 444
= Hall 424. 425
= Hartford.
= Boland 123
= Brandegee
= Parry Watt

E. Bigelovii = Lemmon 464

E. Texana = Lemmon 467

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Should Dr Engelmann kindly inform me
if, on occasion, he may have found any
of the following Populus in the Western States

Populus Canadensis - monilifera
—"— Ireleniphylla — Angulata
—"— Angulata —
—"— Balsamifera
—"— Candicans
—"— Tremuloides & Tremula
—"— Grandidentata

And also if there are any other native
Populus (California excepted)

Respectfully
Henry Shaw

Jan 15/70

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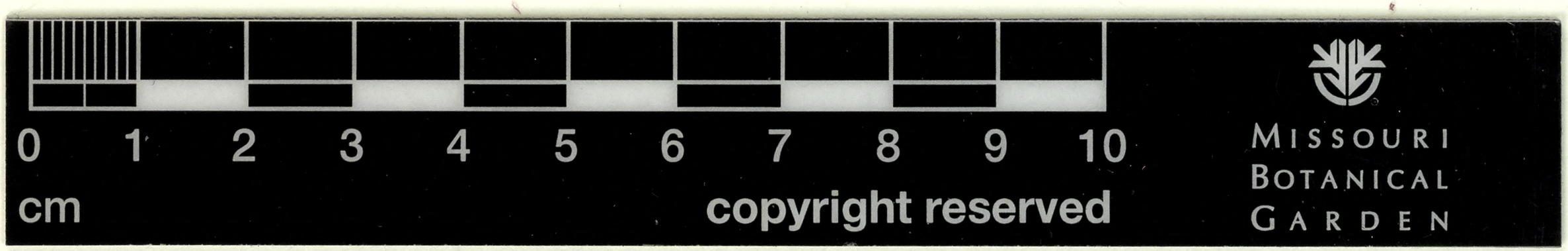
Eliza. major 0.8 – 2.0 mm wide (2 1/2 – 1 line

1. E. venosa 1 – 2 mm
2 E. calycosa 1.00 mm.
1. E. Bergsthii 2 mm
2 E. Douglasii 0.7–1 mm
2 E. muhlenbergii 1. – 1.5 mm
2 E. australis 1

Eliza. angusta 0.5. mm wide = (1/4 line

4 E. stricta 0.5 mm
4 E. latifolia 0.5
4 E. taxifolia 0.5
3 E. glandulosa 0.4
3 E. tetragona 0.4

E. grandiflora parviflora 0,5 mm



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Sept 3 1875

I Stigmata flabelliformia

Erythraea Americana

a. St. transversa, Calicina quam alta

Amer. Boreal & Circularia

b. St longa, longitudine quam tubo

Chili

emergentia.

II Stigmata ovata v. oblonga

Europea

a. St. orbiculato - ovata

E. pulchella, Centaurium

b. St. ~~ovata~~ - oblonga - ~~ovata~~ v. oblonga - Cerasus.

E. Major, maritima

I transmit a work upon which I have been recently engaged which may possibly have some interest for you.

Very respectfully
Yours &c
John S Billings
Asst Surgeon U.S.A.

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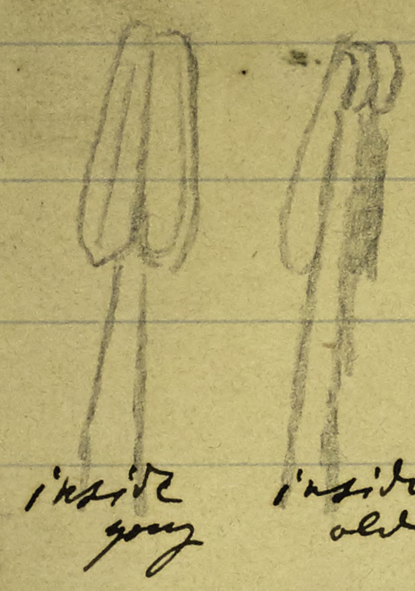
Jan 1878

anthere versatiles



inside outside

Gentianeae
Pleurogyne
Swertia
Halenia

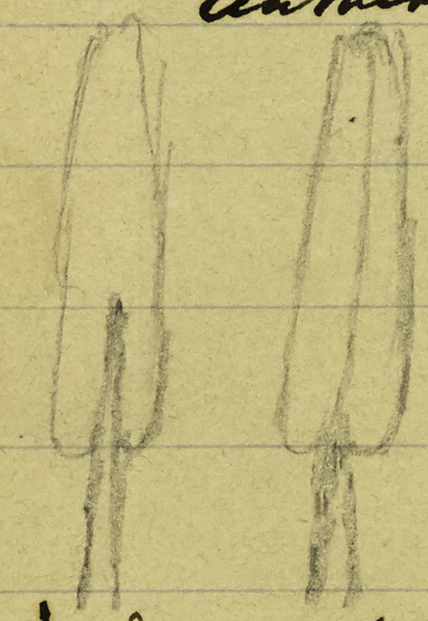
antherae introrsae

inside outside

Gent. kurroo
prostrata

verna
Cavanillesii
Borzi
alba
utriculosa

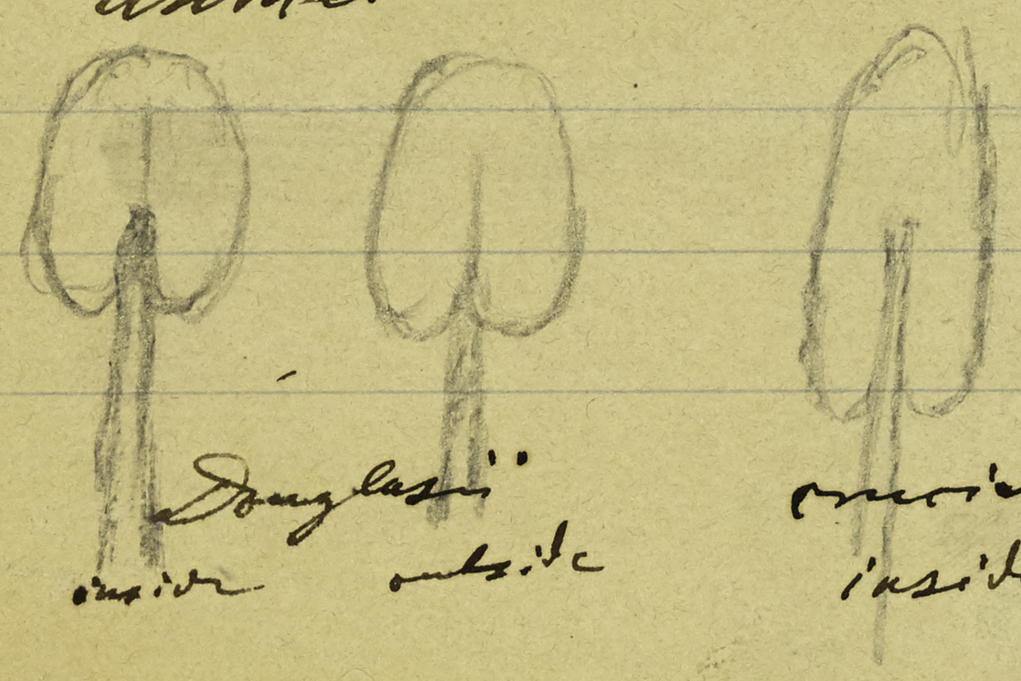
anthere extrorsae (opening laterally!



inside outside

Pneumonanthae
Parryi
paludosa
frigida

Anthere extrorsae



inside outside

Douglasii
acaulis

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